

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

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In the Matter of:

THE APPLICATION OF CARROLL COUNTY WATER )  
DISTRICT NO. 1: (1) FOR A CERTIFICATE )  
THAT PUBLIC CONVENIENCE AND NECESSITY RE- )  
QUIRES THE CONSTRUCTION OF EXTENDED WATER ) CASE NO. 8960  
FACILITIES; (2) SEEKING APPROVAL OF THE )  
ISSUANCE OF CERTAIN SECURITIES; AND (3) )  
FOR AN ORDER AUTHORIZING ADJUSTMENT OF )  
WATER SERVICE RATES AND CHARGES. )

O R D E R

IT IS ORDERED that Carroll County Water District No. 1 ("Carroll County") shall file an original and 7 copies of the following information with the Commission with a copy to all parties of record by March 2, 1984. Carroll County shall also furnish with each response the name of the witness who will be available at the public hearing for responding to questions concerning each area of information requested. If neither the requested information nor a motion for an extension of time is filed by the stated date, the case may be dismissed.

(1) Provide hydraulic analyses, supported by computations and actual field measurements, of typical operational sequences of the existing water distribution system. Computations are to be documented by a schematic map of the system that shows pipeline sizes, lengths, connections, pumps, water storage tanks, and sea

level elevations of key points, as well as allocations of actual customer demands. Flows used in the analyses shall be identified as to whether they are based on average instantaneous flows, peak instantaneous flows, or any combination or variation thereof. The flows used in the analyses shall be documented by actual field measurements and customer use records. Justify fully any assumptions used in the analyses.

(2) Provide a summary of any operational deficiencies of the existing water system that are indicated by the hydraulic analyses or that are known from experience.

(3) Provide hydraulic analyses, supported by computations and field measurements, demonstrating the appropriateness of the engineering design of the proposed construction of additions and extensions. Justify fully any assumptions used in the analyses.

(4) Provide a copy of the final plans and specifications for the proposed construction.

(5) Provide a copy of the Bid Tabulations when available.

(6) Provide a copy of the Final Engineering Report when available.

(7) Provide a list of each of Carroll County's pump stations. Give the location, number of pumps and their rated capacities, and the purpose of each pump station. Explain how the operation of each pump station is controlled. Provide a copy of the pump manufacturer's characteristic (head/capacity) curve for each of Carroll County's pumps. Identify each curve as to the particular pump and pump station to which it applies.

(8) Provide a list of each of Carroll County's water storage tanks. Give the location, capacity, and overflow elevation of each tank. Explain how water is supplied to each tank.

Done at Frankfort, Kentucky, this 7th day of February, 1984.

PUBLIC SERVICE COMMISSION

  
For the Commission

ATTEST:

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Secretary